

**CERRO GRANDE FIRE
FLOOD FIGHT PLAN**

LOS ALAMOS COUNTY

PART 2-EMERGENCY CONTINGENCY PLAN

EMERGENCY CONTINGENCY PLAN: Los Alamos County requested that the United States Army Corps of Engineers (Corps) provide comment on a draft copy of their Flood Emergency Plans or Flood Contingency Plans. The draft copy was provided for the Corps to make comments. A copy of this plan is included with these comments.

LOS ALAMOS COUNTY CONTINGENCY PLAN COMMENTS:

Warning Notifications (Police Dispatch.)

1. The Los Alamos Police Department's (LAPD) notification of the agencies listed should include the phone numbers.

2. Notifications performed by the (LAPD) should also include the following agencies/areas and their phone numbers:

Los Alamos National Laboratory (LANL)

Bureau of Indian Affairs (BIA)

Santa Clara Pueblo Police Dispatch

San Ildefonso Pueblo Sheriff Dispatch

White Rock Police Dispatch

Totavi area

A note should be included to let the users of the plan know that home telephone numbers are confidential and should not be given out to the general public.

3. A flow chart showing how the notification list progresses might help illustrate how the notification sequence would work.

4. The notification section of the plan should have a list of the potential threat areas and the risk related to that threat.

5. The notification plan should include sample resident advisory messages that can be given to the broadcasting stations to be transmitted to the public. Each authority should develop notification messages that are applicable to its area. Some typical sample messages are as follows:

Prior to Event/Flood Advisory:

- Residents living in flood prone areas or low-lying areas are advised to listen to flood notifications and warnings and be prepared to move to higher ground.

- Residents living along canyons and drainage ways are asked to remove all loose tree limbs, branches and debris from the canyon banks prior to a rainstorm event to prevent the limbs and debris from being washed into the channel and clogging the drainage culverts. Residents are advised not to go near the canyons or drainage ways during a rainstorm or immediately after the rainstorm.

Immediately Before and During Event/Flood Warning:

- During and immediately after heavy rain, persons in canyons and low lying areas below the Cerro Grande Fire Area are at risk of being caught in fast moving flows of water and debris or mud. Persons caught in floods could be swept away, injured when struck by debris, or drowned.
- During and immediately after heavy rain, persons driving on roadways below the Cerro Grande Fire Area are advised to obey road closed and water on roadway signs and find alternate routes or postpone traveling in these areas.
- Drivers and passengers in motor vehicles who drive onto water or debris covered roadways are at risk of drowning or injury if water or debris sweeps their vehicles off roadways.
- When approaching, driving through, or departing a flash flood zone, be aware of traffic control personnel and road clearing workers so that you can avoid striking or endangering them with your vehicle.
- Do not enter flood prone areas during or shortly after heavy rains.
- If trapped by floodwaters, move uphill away from the canyons.
- Do not cross areas covered by flood water or flood debris.

6. In the notification plan there is a paragraph outlining actions to be taken if Diamond Drive or the Los Alamos Dam breaches. There also should be a paragraph included that states what to do in the event of a dangerous condition developing during the construction of the pipe placement through the Diamond Drive fill embankment. If a significant rainstorm occurs and seepage, movement, or a dangerous condition develops that threatens the stability of the embankment structure, the contractor, embankment observers, police, or inspectors will immediately contact the dispatcher. The dispatcher will notify the State Police, the Totavi area, the BIA, and the San Ildefonso Pueblos. It should be noted that key personnel on site have been provided with pagers for immediate notification of developing hazards.

7. The plan should include a map/maps of the area of responsibility with the areas at risk and other areas of importance, such as RAWS stations, clearly labeled.

8. It should be explained in the plan what sets off the Remote Automated Weather Stations (RAWS), where they are located, and offices or individuals RAWS contacts.

9. Per discussions in the briefing with Los Alamos County Officials on 28 June 2000.

a. The County Contingency Plan should state who will notify contractor personnel and Corps personnel working on advance measures projects in the canyons when there is a flash flood advisory, warning or watch. The plan should also state when the notification will be implemented, and how they will be notified.

The points of contact for the County are currently:

Wayne Kohlrust, Operations Manager

Office Phone (505) 662-8195

Cell Phone (505) 690-3318

Home Phone (505) 663-1169

Kyle Zimmerman,

Office Phone (505) 662-8151

Cell Phone (505) 660-0991

b. The County Contingency Plan should list the points of contact for the contractors and the Corps with their phone numbers.

The points of contact for the contractor RMCI are currently:

Shannon Harris Project Superintendent for quality control

Cell Phone (505) 975-1414

Home Phone (505) 832-4734

Personal Cell (505) 327-5273

Jeff Mohns President

Office (505) 345-0008

The points of contact for the Corps are currently:

Roger Torres, Project Engineer

Office Phone (505) 342-3481

Cell Phone (505) 250-6208

Gary Moody, Quality Assurance

Cell Phone (505) 263-6125

Don Soards, Emergency Management

Office Phone (505) 342-3269

Cell Phone (505) 228-3382

Matt Bourgeois, Emergency Management

Office Phone (505) 342-3692

Cell Phone (505) 228-3384

LTC Raymond Midkiff, District Engineer

Office Phone (505) 342-3432

Cell Phone (505) 250-4908

Pager (505) 978-1105

c. The County Contingency Plan should include a map with the locations of the county advance measures construction sites, evacuation routes, and sites to evacuate to, identified on the map.

d. The County Contingency Plan should include the precautionary measures that have been taken for the construction projects.

Diamond Drive Site:

Primary Pump at the existing low-level intake pipe.

9000-gpm floating pump, operable by July 17 2000.

Secondary Pump 20 ft below the 36" high-level intake pipe.

5000-gpm stationary pump, operable by July 7 2000.

e. The County Contingency Plan should state who should be contacted if contractor or Corps personnel observe seepage, movement, or an unsafe or dangerous condition developing on the work sites.

Diamond Drive Site:

County:

Wayne Kohlrust, Operations Manager, Phone (505) 662-8195

Kyle Zimmerman, Office (505) 662-8151, Cell (505) 660-0991

Corps:

Roger Torres, Project Engineer, Phone (505) 250-6208

LTC Raymond Midkiff, District Engineer, Phone (505) 342-3432

Gary Moody, Quality Assurance, Cell Phone (505) 263-6125

DOE:

Shannon Harris, Project Superintendent, Cell (505) 975-1414

f. The County Contingency Plan should provide instructions to contractors and personnel regarding where to evacuate to if a flooding event catches them in the canyons.

g. The County Contingency Plan should include a map with the locations of the county and Doe advance measures construction sites located on it.

Police Department Actions:

Los Alamos:

1. In the Los Alamos section there is a paragraph outlining actions to be taken at Diamond Drive when significant rainfall occurs. There also should be a paragraph outlining actions to be taken at Los Alamos Dam when significant rainfall occurs, similar to the Diamond Drive actions, such as monitoring conditions and reporting important information such as seepage, embankment movement, or breaching.
2. Police or public works maintenance crews should monitor streets where water and or debris could flow across streets and be prepared to post signs or close streets to the public.

Emergency Management Coordinator Actions:

The telephone numbers should be included on the coordinator notification list.

Public Works Actions:

During a significant rainfall event, public works personnel familiar with the street crossings over canyon drainage culverts should monitor these culverts for blockage and/or roadway overtopping. Blockages should be removed from the culverts as soon as possible, using appropriate safety precautions to allow water to flow through. Street overtopping should be reported and streets with significant overflows should be blocked off and closed.